

MIC-D1011

10.1" Capacitive Touch LCD Module with EMI Mesh & Optical Bonding

Features

- 10.1" LCD Size
- 1920 x 1200 Resolution
- Capacitive Multi-Touch Screen
- Strengthen Touch Glass
- 700 nits Brightness
- EMI Mesh, Optical Bonding
- FPC Cable Attached for Integration

Appearance





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Revision Table

Date	Revision	Content	By
2025/4/18	0.1	First Draft	Dennis

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10.1" Capacitive Touch LCD Module with EMI Mesh & Optical Bonding Specification

LCD Panel	
LCD Size	10.1-inch TFT LCD
Backlight	LED
Resolution	1920 x 1200
Interface	LVDS
View Angle	80/ 80/ 80/ 80 (T/B/L/R)
Luminance	700 nits (after Bonding)
Contrast Ratio	900:1
Aspect Ratio	16:10
Response Time	30ms
No. of colour	16.7M
Active Area	216.8064(H) x 135.504(V) mm
Pixel Pitch	0.03764 (H) x 0.11292 (V)
Touch Glass & Optical Bonding	
EMI Mesh	Yes
Optical Bonding	Yes
Cover Glass	Strengthen Glass
Glass Surface Hardness	≥5H
Touch	Capacitive Multi-Touch Glass
Touch Interface	USB or I2C
Touch Drivers	Support Windows, Linux, Mac, etc.

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Environment Compliance

Operating Temp.	-20°C to +70°C
Storage Temp.	-30°C to +80°C
Humidity	Ta≤40°C, 90%RH, Non-Condensing
Shock	Design to Meet MIL-STD-810G
Vibration	Design to Meet MIL-STD-810G
EMI/EMC	Design to Meet MIL-STD-461E/F

Note 1: Environmental performance may vary according to the integration method or final integration scenario.

Note 2: Follow the industrial quality standard this LCD panel will include minimum 3 bright or dead pixels on viewable area and maxium total 5 bright or dead pixels on whole LCD panel.

Deliverables

1	10.1" Capacitive Touch LCD Module with EMI Mesh & Optical Bonding
2	FPC Molex 0150181173

Ordering Information

Model Name	Description	Unit
MIC-D1011	10.1" Capacitive Touch LCD Module with EMI Mesh & Optical Bonding	1

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